

109120-86/50600

J1036 U.S. PTO
09/785738
02/16/01

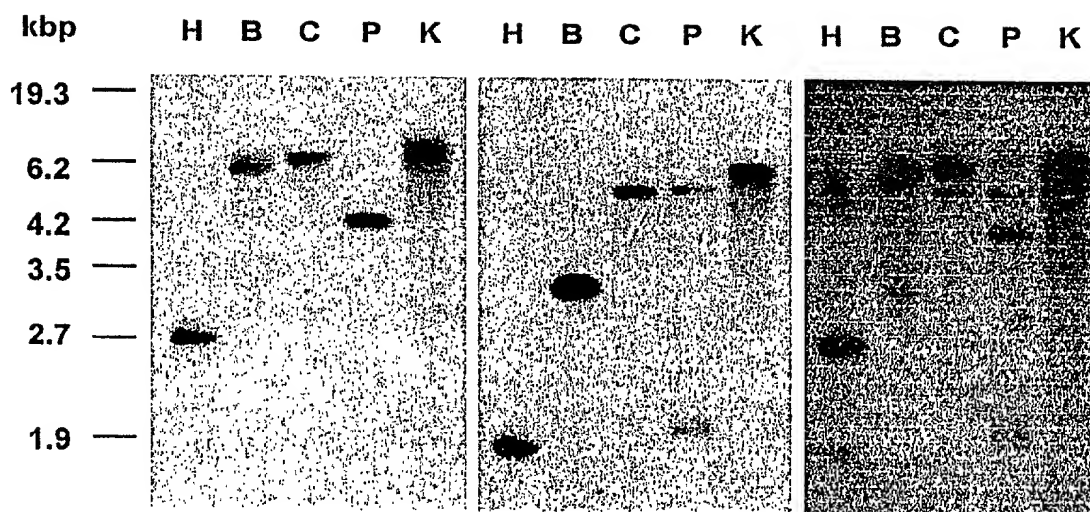


Fig. 1a

Fig. 1b

Fig. 1c

Fig.2

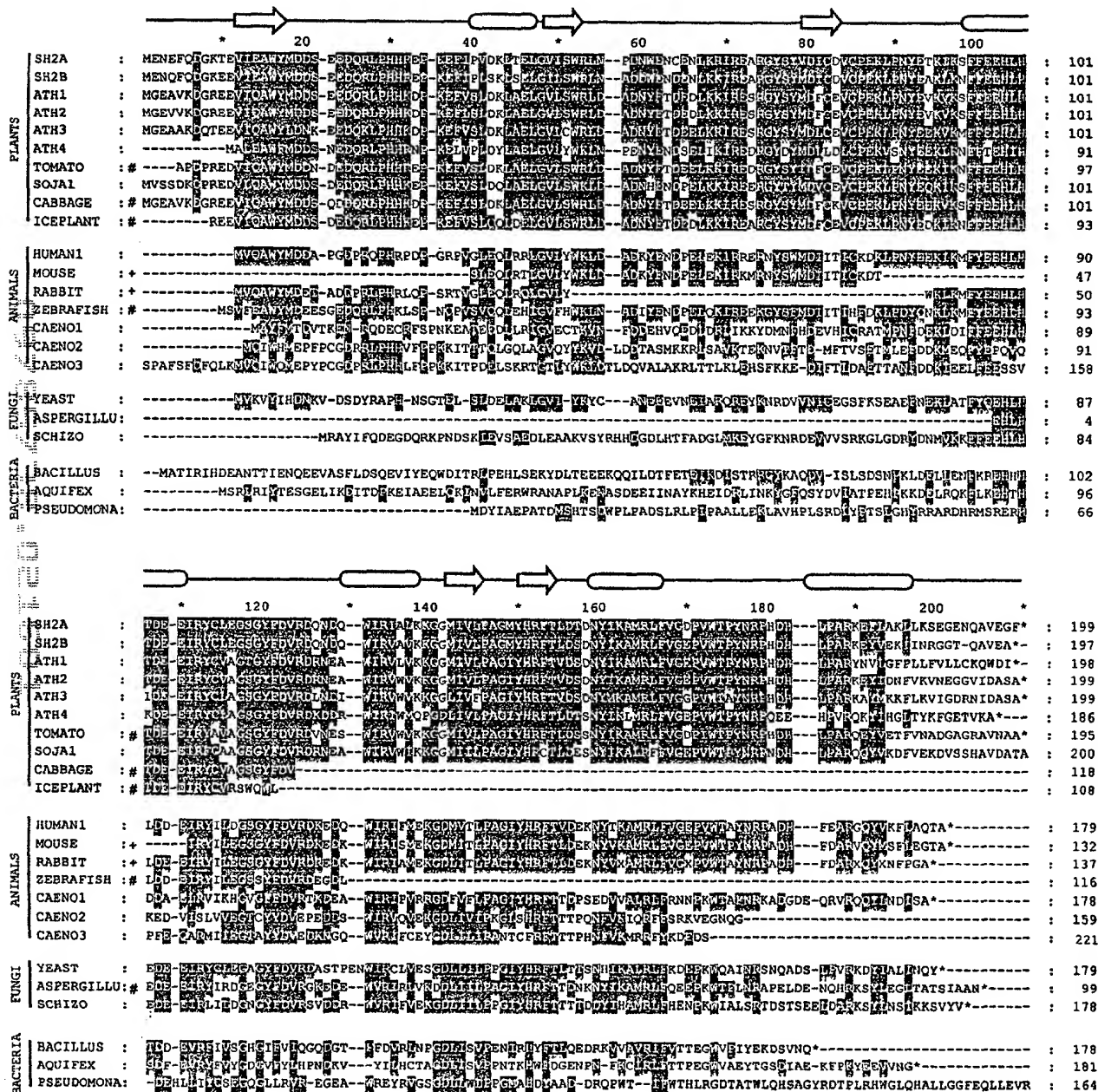


Fig.3

	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	CAENO3	SCHIZO	SCEREV	BACSUB	AQUIFEX	PSEUDO
<i>Oryza sativa</i> SH2A		84 (93)	70 (85)	71 (87)	67 (83)	59 (74)	50 (67)	30 (49)	20 (35)	23 (48)	33 (48)	32 (51)	17 (33)	14 (29)	14 (24)
<i>Oryza sativa</i> SH2B	84 (93)		75 (87)	75 (88)	70 (84)	60 (75)	54 (69)	31 (49)	20 (35)	24 (47)	31 (44)	33 (50)	18 (33)	14 (29)	14 (24)
<i>Arabidopsis thaliana</i> 1	70 (85)	75 (87)		92 (95)	80 (88)	57 (73)	56 (69)	32 (52)	20 (36)	26 (47)	33 (45)	35 (51)	18 (34)	14 (30)	14 (26)
<i>Arabidopsis thaliana</i> 2	71 (87)	75 (88)	92 (95)		82 (89)	58 (75)	54 (68)	31 (50)	18 (34)	24 (45)	33 (48)	34 (50)	18 (33)	14 (30)	13 (25)
<i>Arabidopsis thaliana</i> 3	67 (83)	70 (84)	80 (88)	82 (89)		57 (73)	54 (69)	30 (50)	18 (34)	23 (45)	23 (45)	33 (48)	18 (32)	15 (30)	12 (26)
<i>Arabidopsis thaliana</i> 4	59 (74)	60 (75)	57 (73)	58 (75)	57 (73)		54 (70)	34 (53)	23 (46)	24 (41)	27 (41)	39 (58)	19 (32)	18 (30)	12 (24)
<i>Homo sapiens</i>	50 (67)	54 (69)	58 (69)	54 (68)	54 (69)	54 (70)		39 (68)	22 (37)	29 (53)	35 (51)	38 (55)	19 (34)	17 (32)	12 (23)
<i>Caenorhabditis elegans</i> 1	30 (49)	31 (49)	32 (52)	31 (50)	30 (50)	34 (53)	39 (58)		15 (29)	23 (48)	36 (51)	32 (49)	18 (35)	20 (33)	11 (25)
<i>Caenorhabditis elegans</i> 2	20 (35)	20 (35)	20 (36)	18 (34)	18 (34)	23 (48)	22 (37)	15 (29)		33 (48)	15 (29)	15 (31)	10 (23)	9 (20)	5 (12)
<i>Caenorhabditis elegans</i> 3	23 (48)	24 (47)	26 (47)	24 (45)	23 (45)	24 (41)	29 (53)	23 (46)	33 (48)		22 (42)	21 (45)	14 (35)	12 (25)	8 (22)
<i>Schizosaccharomyces pombe</i>	33 (46)	31 (44)	33 (45)	33 (46)	33 (48)	27 (41)	35 (51)	36 (51)	15 (29)	22 (42)		37 (58)	18 (36)	20 (34)	14 (26)
<i>Saccharomyces cerevisiae</i>	32 (51)	33 (50)	35 (51)	34 (50)	34 (50)	39 (58)	38 (55)	32 (49)	15 (31)	21 (45)	37 (58)		16 (33)	17 (30)	15 (24)
<i>Bacillus subtilis</i>	17 (33)	18 (33)	18 (34)	18 (33)	18 (32)	19 (32)	19 (34)	18 (35)	10 (23)	14 (35)	18 (36)	16 (33)		26 (48)	8 (19)
<i>Aquifex aeolicus</i>	14 (29)	14 (29)	14 (30)	14 (30)	15 (30)	18 (30)	17 (32)	20 (33)	9 (20)	12 (25)	20 (34)	17 (30)	26 (48)		7 (19)
<i>Pseudomonas aeruginosa</i>	14 (24)	14 (24)	14 (26)	13 (25)	12 (26)	12 (24)	12 (23)	11 (25)	5 (12)	8 (22)	14 (26)	15 (24)	6 (19)	7 (19)	
	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	CAENO3	SCHIZO	SCEREV	BACSUB	AQUIFEX	PSEUDO

Fig.4

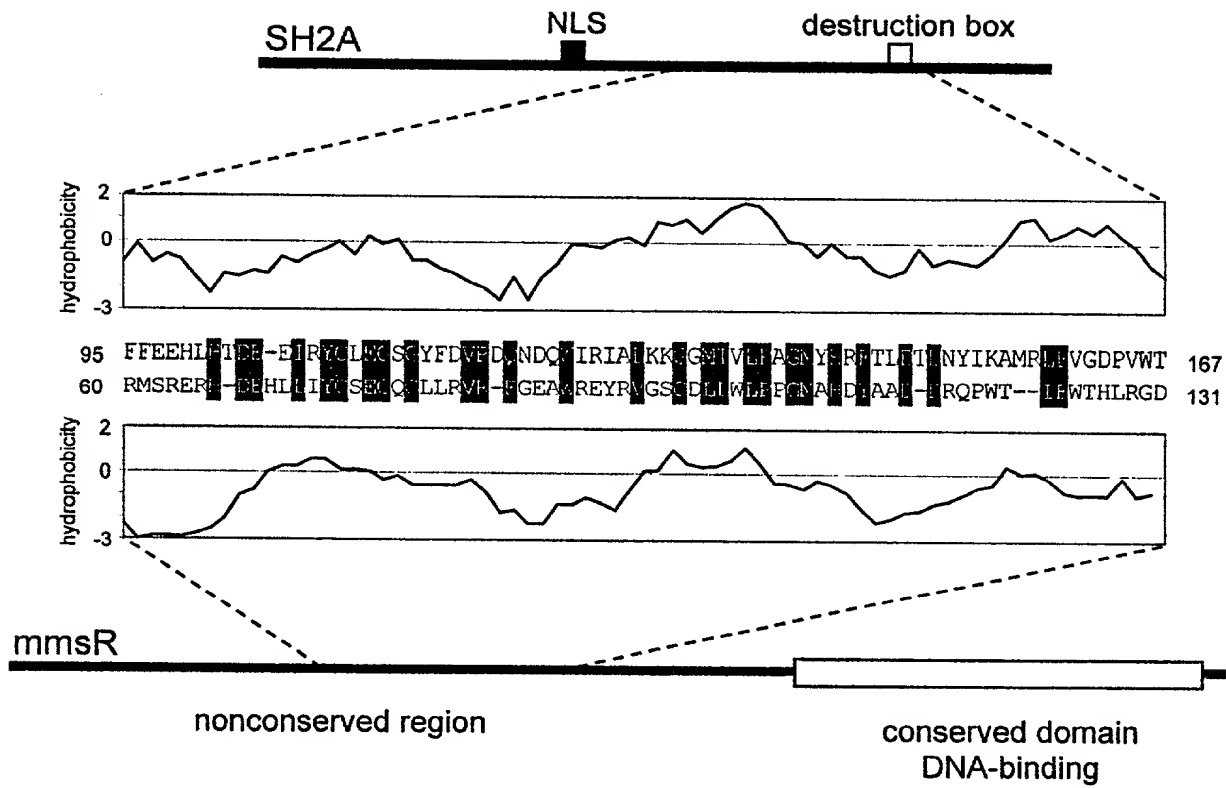
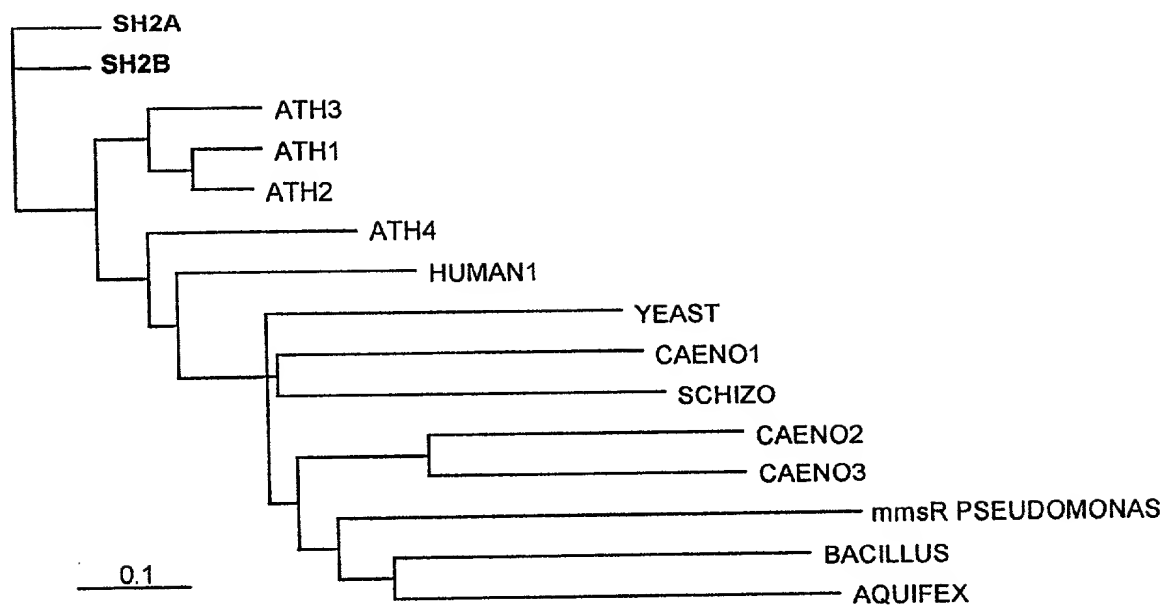


Fig. 5



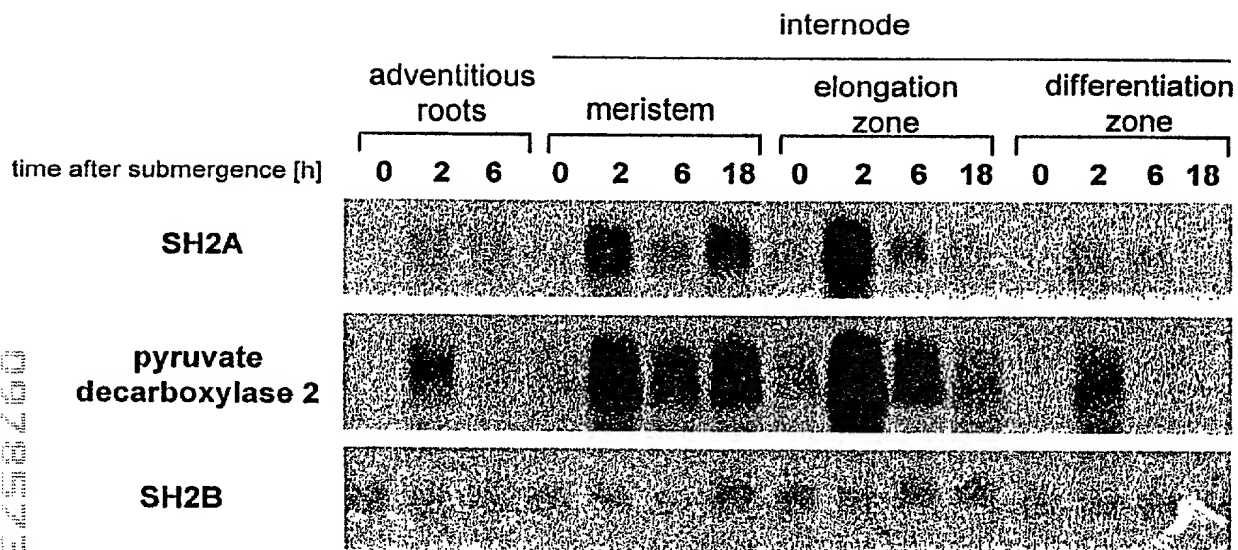


Fig. 6a

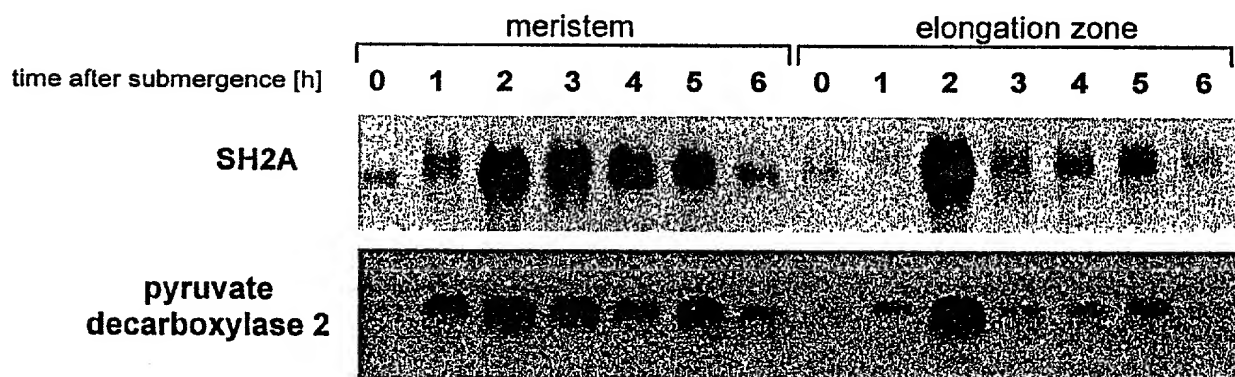
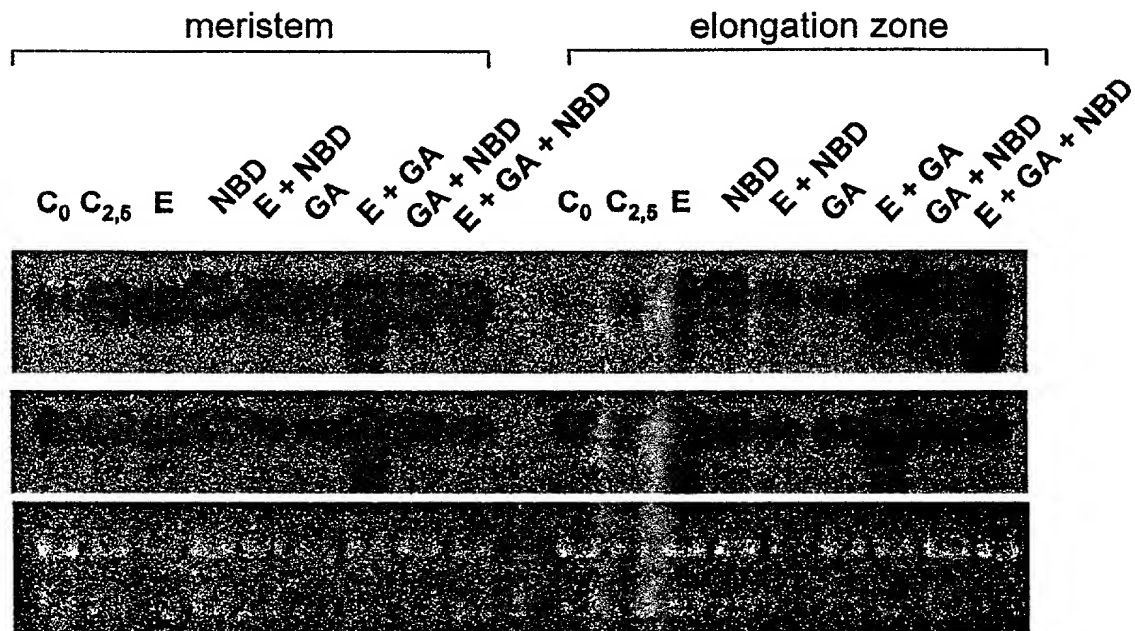


Fig. 6b

Fig.7



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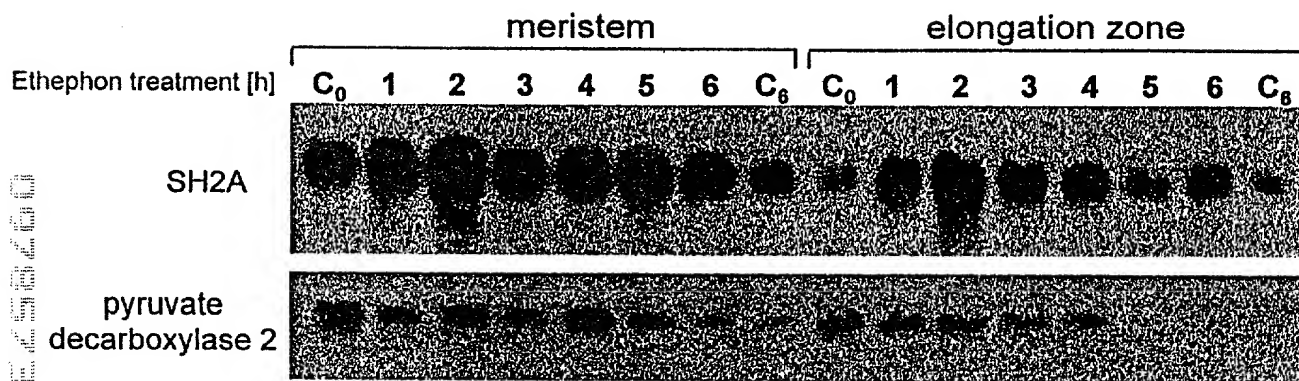
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Fig. 8a

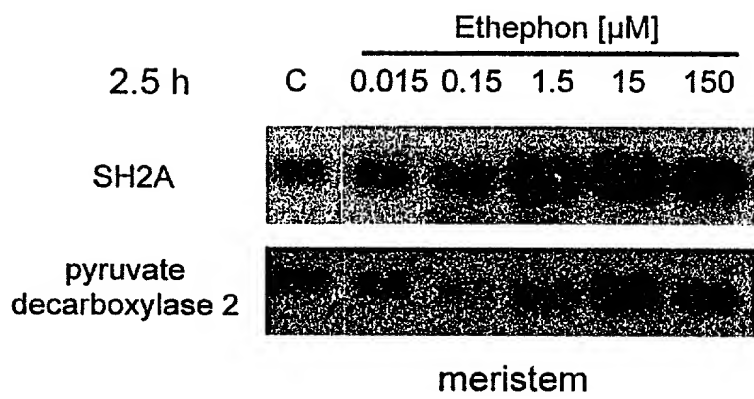


Fig. 8b

	[h]	0.5	3							
Ethephon [150 μ M]		-	-	-	-	-	+	+	+	+
Cycloheximide [μ g/ml]		-	-	20	100	500	-	20	100	500

SH2A



pyruvate
decarboxylase 2

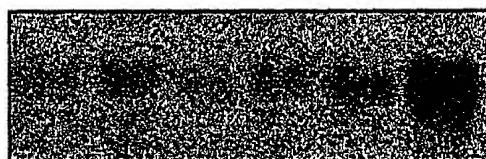


meristem

Fig. 9a

		Cycloheximide μ g/ml					
3h		C	0.002	0.02	0.2	2	20

SH2A



pyruvate
decarboxylase 2



meristem

Fig. 9b

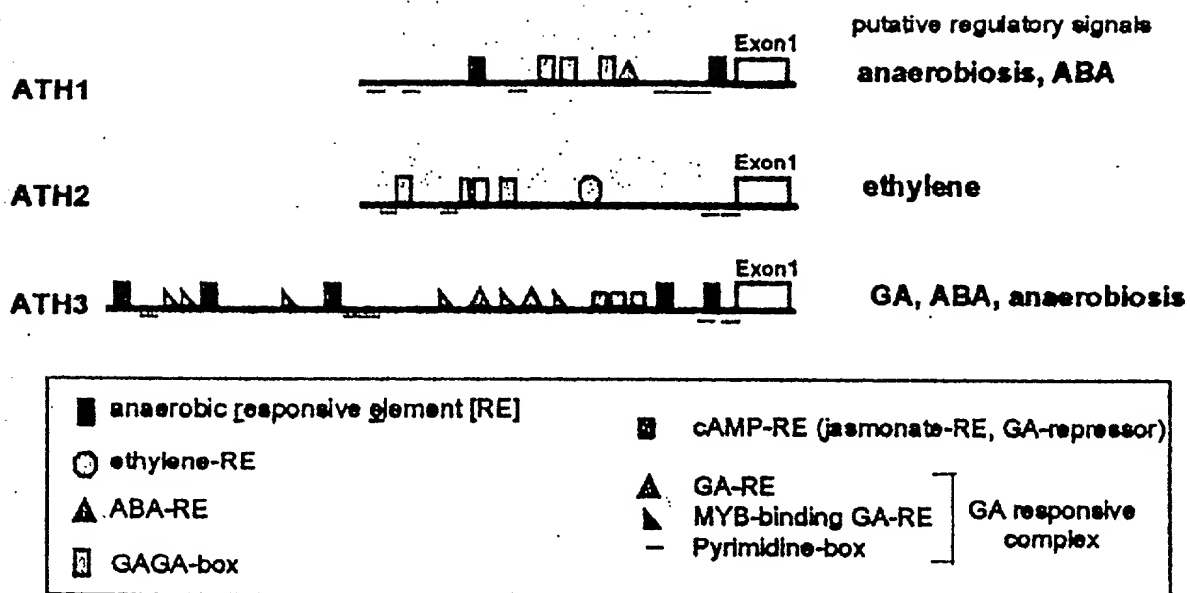


Figure 10